



west virginia department of environmental protection

Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone: (304) 926-0475 • FAX: (304) 926-0479

Jim Justice, Governor
Austin Caperton, Cabinet Secretary
www.dep.wv.gov

June 2, 2017

Larry D. Adams, Authorized Agent
Southeastern Land, LLC
PO Box 9
Naugatuck, WV 25685

Re: Application Status: Approved
Southeastern Land, LLC
Taywood West Surface Mine
Registration Application G40-C090
Plant ID No. 059-00118

Dear Mr. Adams:

Your application for a General Permit G40-C registration to construct a rock crushing and screening plant as required by Section 5 of 45CSR13 - "Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permit, General Permit, and Procedures for Evaluation" has been approved. The enclosed registration G40-C090 is hereby issued pursuant to Subsection 5.7 of 45CSR13. Please be aware of the notification requirements in the permit which pertain to commencement of construction, modification, or relocation activities; startup of operations; and suspension of operations.

A copy of the complete General Permit G40-C may be obtained from the DAQ's website at the following address: <http://www.dep.wv.gov/daq/permitting/Pages/airgeneralpermit.aspx>.

As a result of this permit, the source is a nonmajor source or area subject to 45CSR30. Therefore, the facility is not subject to the permitting requirements of 45CSR30 and is classified as a deferred source.

In accordance with 45CSR30 – Operating Permit Program, the permittee shall submit a Certified Emissions Statement (CES) and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued,

modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §§22-5-14.

Should you have any questions, please contact me at (304) 926-0499, ext. 1210.

Sincerely,



Daniel P. Roberts, Engineer Trainee
NSR Permitting Section

Enclosures

c: Larry D. Adams, larry.a@czarky.net
Jason Swann, jason.swann@boothenergy.com
Donna Toler, donnatoler@suddenlink.net

West Virginia Department of Environmental Protection

*Jim Justice
Governor*

Division of Air Quality

*Austin Caperton
Cabinet Secretary*

Class II General Permit G40-C Registration to Construct



for the
Prevention and Control of Air Pollution in regard to the
Construction, Modification, Relocation,
Administrative Update and Operation of
Nonmetallic Mineral Processing Plants

*The permittee identified at the facility listed below is authorized to
construct the stationary sources of air pollutants identified herein in accordance
with all terms and conditions of General Permit G40-C.*

G40-C090

Issued to:

**Southeastern Land, LLC
Taywood West Surface Mine
059-00118**

A blue ink signature of William F. Durham, written in a cursive style, is positioned above a horizontal line.

*William F. Durham
Director*

Effective: June 2, 2017

This Class II General Permit Registration will not affect any current Rule 13 individual permits or General Permit registrations.

Facility Location: Breeden, Mingo County, West Virginia
Mailing Address: PO Box 9, Naugatuck, WV 25685
Facility Description: Nonmetallic Minerals Processing Plant
SIC Code: 1422 (Crushed and Broken Limestone)
1221 (Bituminous Coal and Lignite - Surface)
NAICS Code: 212312 (Crushed and Broken Limestone Mining and Quarrying)
212111 (Bituminous Coal and Lignite Surface Mining)
UTM Coordinates: Easting: 388.56004 km Northing: 4194.68741 km NAD83 Zone 17N
Lat/Lon Coordinates: Latitude: 37.892883 Longitude: -82.267419 NAD83
Registration Type: Construction
Description of Change: Construction of a 500 TPH and 960,000 TPY rock crushing and screening facility that will be used to produce sized rock for drainage ditches and road repair. The Double Roll Crusher will be powered by a Scania DC09 070A diesel engine rated for 202 kW (275 hp) at 1,800 rpm and is labeled as engine E1. Engine E1 is US Tier 4i, EU Stage IIIB certified. The Powerscreen Warrior 800 2 Deck Incline Screen will be powered by a Caterpillar C3.4 rated for 55 kW (73.7 hp) at 2,300 rpm and is labeled as engine E2. Engine E2 is Tier 4 certified.

Subject to 40CFR60 Subpart OOO? Yes

Subject to 40CFR60 Subpart IIII? Yes

Subject to 40CFR60 Subpart JJJJ? No

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit or registration issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.

As a result of this permit, the source is a nonmajor source or area subject to 45CSR30. Therefore, the facility is not subject to the permitting requirements of 45CSR30 and is classified as a deferred source.

All registered facilities under Class II General Permit G40-C are subject to Sections 1.0, 1.1, 2.0, 3.0, and 4.0.

The following sections of Class II General Permit G40-C apply to the registrant:

Section 5	Nonmetallic Mineral Processing Operations	<input checked="" type="checkbox"/>
Section 6	Standards of Performance for Nonmetallic Mineral Processing Plants that Commenced Construction, Reconstruction or Modification after August 31, 1983 but before April 22, 2008 (40 CFR 60 Subpart OOO)	<input type="checkbox"/>
Section 7	Standards of Performance for Nonmetallic Mineral Processing Plants that Commenced Construction, Reconstruction or Modification on or after April 22, 2008. (40 CFR 60 Subpart OOO)	<input type="checkbox"/>
Section 8	Reciprocating Internal Combustion Engines (R.I.C.E.)	<input checked="" type="checkbox"/>
Section 9	Tanks	<input checked="" type="checkbox"/>
Section 10	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40 CFR 60 Subpart IIII)	<input checked="" type="checkbox"/>
Section 11	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40 CFR 60 Subpart JJJJ)	<input type="checkbox"/>

Emission Units

Equip- ment ID No.	Date of Construction, Reconstruction or Modification ¹	G40-C Applicable Sections ²	Emission Unit Description	Maximum Permitted Throughput		Control Equip- ment ³	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID No.	Control Equip- ment ³
BS-01	C 2016	5 and 8	Front-end Loader Dump Bin - 15 tons capacity - receives material from the overburden area via a front-end loader and feeds in onto BC-01	500	960,000	PW	B A	TP-01 TP-02	UD-PW TC-PE
BC-01	C 2016	5 and 8	Belt Conveyor - receives raw material from BS-01 and transfers it to CR-01	500	960,000	NC	B A	TP-02 TP-03	TC-PE TC-FE
CR-01	C 2016	5 and 8	Jaw Crusher - receives raw material from BC-01, crushes it from/to 4" x 0 and then drops it onto BC-02	500	960,000	FW	B A	TP-03 TP-04	TC-FE TC-FW
BC-02	C 2016	5 and 8	Belt Conveyor - receives crushed material from CR-01 and transfers it to BS-02	500	960,000	NC	B A	TP-04 TP-05	TC-FW TC-PW
BS-02	C 2016	5 and 8	Surge Bin - 10 tons capacity - receives crushed material from BC-02 and feeds in onto BC-03	500	960,000	PW	B A	TP-05 TP-06	TC-PW TC-PE
BC-03	C 2016	5 and 8	Belt Conveyor - receives crushed material from BS-02 and transfers it onto SS-01	500	960,000	NC	B A	TP-06 TP-07	TC-PE TC-PW
SS-01	C 2016	5 and 8	Double Deck Screen - receives crushed rock from BC-03, classifies it and drops the different sizes onto BC-04, BC-05 and BC-06, while the oversize refuse drops onto BC-07	500	960,000	PW	B A A A A	TP-07 TP-08 TP-11 TP-14 TP-17	TC-PW TC-FE TC-FE TC-FE TC-FE
BC-04	C 2016	5 and 8	Belt Conveyor - receives sized rock from SS-01 and transfers it onto OS-01	500	960,000	NC	B A	TP-08 TP-09	TC-FE TC-MDH
OS-01	C 2016	5 and 8	Sized Rock Open Stockpile - maximum 2,000 tons capacity, 3,869 ft ² base area, and 20' height - receives sized rock from BC-04, stores it and then a front-end loader reclaims it and loads it to trucks	500	960,000	WS	B A	TP-09 TP-10	TC-MDH LO-MDH
BC-05	C 2016	5 and 8	Belt Conveyor - receives sized rock from SS-01 and transfers it onto OS-02	500	960,000	NC	B A	TP-11 TP-12	TC-FE TC-MDH
OS-02	C 2016	5 and 8	Sized Rock Open Stockpile - maximum 2,000 tons capacity, 3,869 ft ² base area, and 20' height - receives sized rock from BC-05, stores it and then a front-end loader reclaims it and loads it to trucks	500	960,000	WS	B A	TP-12 TP-13	TC-MDH LO-MDH

Equipment ID No.	Date of Construction, Reconstruction or Modification ¹	G40-C Applicable Sections ²	Emission Unit Description	Maximum Permitted Throughput		Control Equipment ³	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID No.	Control Equipment ³
BC-06	C 2016	5 and 8	Belt Conveyor - receives sized rock from SS-01 and transfers it onto OS-03	500	960,000	NC	B A	TP-14 TP-15	TC-FE TC-MDH
OS-03	C 2016	5 and 8	Sized Rock Open Stockpile - maximum 2,000 tons capacity, 3,869 ft ² base area, and 20' height - receives sized rock from BC-06, stores it and then a front-end loader reclaims it and loads it to trucks	500	960,000	WS	B A	TP-15 TP-16	TC-MDH LO-MDH
BC-07	C 2016	5 and 8	Belt Conveyor - receives oversized refuse from SS-01 and transfers it onto OS-04	500	960,000	NC	B A	TP-17 TP-18	TC-FE TC-MDH
OS-03	C 2016	5 and 8	Oversized Refuse Open Stockpile - maximum 2,000 tons capacity, 3,869 ft ² base area, and 20' height - receives oversized refuse from BC-07, stores it and then a front-end loader reclaims it and loads it back into BS-01	500	960,000	WS	B A	TP-18 TP-19	TC-MDH LO-MDH

¹ In accordance with 40 CFR 60 Subpart OOO, for affected facilities constructed, re-constructed or modified after April 22, 2008, visible emissions from any screen, transfer point on a belt conveyor, storage bin or from any other affected facility shall not exceed seven percent (7%) opacity and any crusher shall not exceed twelve percent (12%) opacity.

² All registered affected facilities under Class II General Permit G40-C are subject to Sections 1.0, 1.1, 2.0, 3.0 and 4.0.

³ Control Device Abbreviations: FE - Full Enclosure; FW - Full Enclosure with Water Sprays; PE - Partial Enclosure; PW - Partial Enclosure with Water Sprays; WS - Water Sprays; TC - Telescopic Chute; UC - Under-pile Conveyor; MDH - Minimize Drop Height; and NC - No Control.

Emission Limitations

- Facility Emissions Summary - Southeastern Land, LLC Taywood West Surface Mine	Maximum Controlled PM Emissions		Maximum Controlled PM ₁₀ Emissions	
	lb/hour	TPY	lb/hour	TPY
Fugitive Emissions				
Open Storage Pile Emissions	0.04	0.18	0.02	0.09
Unpaved Haulroad Emissions	88.26	82.81	18.15	17.42
Paved Haulroad Emissions	0.00	0.00	0.00	0.00
<i>Fugitive Emissions Total</i>	<i>86.30</i>	<i>82.99</i>	<i>18.17</i>	<i>17.51</i>
Point Source Emissions				
Crushing/Screening Emissions	3.19	3.06	1.52	1.46
Transfer Point Emissions	0.03	0.03	0.01	0.01
Engine E1	0.01	0.01	0.01	0.01
Engine E2	< 0.01	< 0.01	< 0.01	< 0.01
<i>Point Source Emissions Total (PTE)</i>	<i>3.22</i>	<i>3.10</i>	<i>1.54</i>	<i>1.48</i>
FACILITY EMISSIONS TOTAL	89.53	86.09	19.71	18.99

Engines

Source ID	Emission Source	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
E1	Engine E1 for the Crusher	Nitrogen Oxides (NO _x)	1.35	1.30
		Carbon Monoxide (CO)	1.58	1.52
		Volatile Organic Compounds (VOCs)	0.46	0.44
		Sulfur Dioxide (SO ₂)	0.56	0.54
		Particulate Matter (PM<10 microns)	0.01	0.01
		Total HAP	0.01	0.01
E2	Engine E2 for the Screen	Nitrogen Oxides (NO _x)	0.43	0.41
		Carbon Monoxide (CO)	0.61	0.58
		Volatile Organic Compounds (VOCs)	0.14	0.14
		Sulfur Dioxide (SO ₂)	0.15	0.15
		Particulate Matter (PM<10 microns)	< 0.01	< 0.01
		Total HAP	< 0.01	< 0.01

Reciprocating Internal Combustion Engines

Emission Unit ID No.	Emission Unit Description (Make, Model, Serial No., etc.)	Date of Manufacture	Date of Installation	Design Capacity (Bhp/rpm)
E1	Scania DC9	2016	2016	275 / 1,800
E2	Caterpillar 3.4B	2016	2016	74 / 2,300

Reciprocating Internal Combustion Engines (R.I.C.E.) Information

Emission Unit ID No.	Subject to 40CFR60 Subpart IIII?	Subject to 40CFR60 Subpart JJJJ?	Subject to Sections 9.1.4/9.2.1 (Catalytic Reduction Device)
E1	Yes	No	No
E2	Yes	No	No

Control Devices - Not Applicable

Control Device ID No.	Source ID No.	Date Constructed, Reconstructed, or Modified	Emission Unit Description (Make, Model, Serial No., etc.)

Storage Tanks

Source ID No.	Status	Content	Design Capacity			Orientation	G40-C Applicable Section(s)
			Volume	Diameter	Throughput		
T1	Existing	Diesel	1,000 gal	4'	8,000 gal/hr	Horizontal	9